

SIMATIC ET 200S IM 151-1 STANDARD

Product Data Sheet

6ES7151-1AA06-0AB0

PROFIBUS Station Interface Module

MAXIMUM STATION MODULE COUNT	MAXIMUM STATION WIDTH	STATION PROCESS-DATA ALLOCATION	PROFIBUS PROTOCOL SUPPORT
63 modules	2 m	244 input bytes and 244 output bytes	DP V0 and DP V1

Siemens 6ES7151-1AA06-0AB0 is the IM 151-1 Standard PROFIBUS interface for SIMATIC ET 200S. It connects a compatible distributed I/O station to the configured DP master.

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VERIFIED TECHNICAL DATA

Maximum station module count	63 modules
Maximum station width	2 m
Station process-data allocation	244 input bytes and 244 output bytes
PROFIBUS protocol support	DP V0 and DP V1
Physical bus interface	RS-485, 9-pin D-sub
PROFIBUS transmission range	9.6 kbit/s to 12 Mbit/s
Maximum PROFIBUS cable length	1200 m, rate dependent
Maximum supply current	200 mA
Typical power loss	3.3 W
Mains buffering interval	20 ms

ADDITIONAL PRODUCT DATA

DP-interface output current	80 mA maximum
Bus synchronisation services	SYNC and FREEZE
Direct slave data exchange	Supported
Isolation test voltage	500 V DC
Operating temperature	0 to 60 deg C

DOCUMENTED USE SETTINGS

Food Processing and Beverage Processing: Food Processing and Production.

Manufacturing and Industrial Processing Control: Industrial Manufacturing Process Automation.

Chemical Manufacturing and Continuous Process Control: Chemical Production Process Automation.

SYSTEM COMPATIBILITY

Integrate 6ES7151-1AA06-0AB0 only in the documented SIMATIC ET 200S IM 151-1 Standard configuration. Match the installed interfaces and the engineered application before selecting this profibus station interface module.

PRODUCT EVIDENCE

Siemens technical documentation for 6ES7151-1AA06-0AB0